

# Converting Colors

XYZ(73.1943, 90.7491, 16.7905)

Have a look what the booklet for  
XYZ(73.1943, 90.7491, 16.7905)  
contains.

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# **Color**

**XYZ(73.3197, 90.8137,  
16.7964)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3FF33
RGB	243, 255, 51
RGB Percent	95%, 100%, 20%
CMY	0.0471, 0.0000, 0.8000
CMYK	0.05, 0.00, 0.80, 0.00
HSL	64°, 100%, 60%
HSV	64°, 80%, 100%
XYZ	73.3197, 90.8137, 16.7964
YIQ	228.1560, 58.3320, -65.9880

# Conversions

## Conversions Part 2

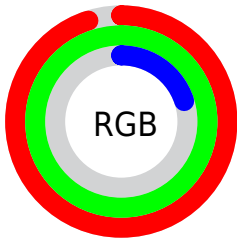
Format	Color
R <sub>Y</sub> B	51, 255, 63
Decimal	15990579
CIE Lab	96.33, -25.63, 86.42
CIE LCh	96, 90.137, 106.522
Yxy	90.8137, 0.4052, 0.5019
Android (android.graphics.Color)	4294180659 (0xFFFF3FF33)
YUV	228.1560, -87.3379, 13.0182
Hunter-Lab	95.2962, -29.4328, 56.2572

# Details

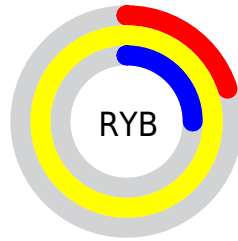
The XYZ color **73.3197, 90.8137, 16.7964** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **21.2849, 10.6457, 95.5407**, and the grayscale version is **74.4465, 78.3235, 85.2943**.

A 20% lighter version of the original color is **80.1524, 94.0410, 30.4502**, and **39.7225, 50.4554, 7.6453** is the 20% darker color. If you saturate the color by 10%, you get **72.3873, 90.3811, 14.5789**, and if you desaturate by 10%, it is **74.5641, 91.3715, 20.6373**.

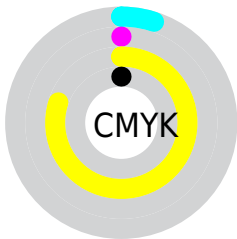
# Distribution



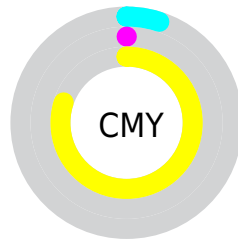
- Red (95%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (25%)



- Cyan (5%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.3197, 90.8137, 16.7964 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 73.3197, 90.8137, 16.7964 by changing the saturation by 10% instead.



73.3197, 90.8137,  
16.7964

73.3197, 90.8137,  
16.7964

461.2087,  
530.6742, 246.0004

54.5267, 68.6557,  
9.9290

122.9316,  
148.4681, 38.7612

39.2553, 50.4314,  
5.2469

154.4813,  
184.7334, 54.6957

27.1400, 35.7563,  
2.3316

191.0140,  
226.4699, 74.4897

17.8155, 24.2460,  
0.7488

232.8949,  
274.0619, 98.5617

10.9165, 15.5162,  
0.0000

280.4895,  
327.8940, 127.3302

6.0776, 9.1825,  
0.0000

334.1631,

2.9334, 4.8604,

388.3505, 161.2138

0.0000

394.2810,  
455.8158, 200.6311

■ 1.1187, 2.1656,  
0.0000

■ 0.0406, 0.7011,  
0.0000

■ 73.3197, 90.8137,  
16.7964

■ 73.3197, 90.8137,  
16.7964

■ 72.3873, 90.3811,  
14.5789

■ 74.5641, 91.3715,  
20.6373

■ 71.6949, 90.0451,  
13.6020

■ 76.1647, 92.0723,  
26.3304

■ 71.6946, 90.0450,  
13.6017

■ 78.1584, 92.9308,  
34.0715

■ 80.5775, 93.9600,  
44.0306

■ 83.4510, 95.1714,  
56.3601

■ 86.8053, 96.5756,  
71.1989

■ 90.6647, 98.1824,  
88.6752

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



98.0453, 90.8137, 16.2208



73.3197, 90.8137, 16.7964



55.8484, 90.8137, 31.0601

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.3197, 90.8137, 16.7964



57.2141, 90.8137, 236.7002



142.1919, 90.8137, 134.6736

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



73.3197, 90.8137, 16.7964



21.2849, 10.6457, 95.5407

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



126.2334, 90.8137, 227.5399



73.3197, 90.8137, 16.7964



75.5610, 90.8137, 303.0621

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.3197, 90.8137, 16.7964



47.8582, 90.8137, 143.5677



100.7632, 90.8137, 299.0742



141.2693, 90.8137, 64.5864



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.3197, 90.8137, 16.7964



49.2210, 90.8137, 53.4474



100.7632, 90.8137, 299.0742



138.5095, 90.8137, 164.7094

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



73.3197, 90.8137, 16.7976



85.4029, 95.9896, 64.9479



43.5177, 24.8590, 5.6378



18.0269, 20.4398, 12.7856



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.3197, 90.8137, 16.7976



71.9546, 90.1725, 13.9055



47.6518, 77.5814, 15.5963



19.4494, 21.0331, 19.1790



37.5075, 47.0739, 7.1093



3.6828, 4.5993, 0.6937



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.2849, 10.6457, 95.5407



18.5519, 7.6431, 95.1052



34.3804, 17.3967, 96.1536



17.1019, 17.4287, 22.7127



9.5729, 3.8455, 49.6723

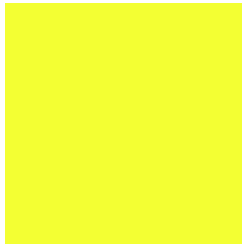


0.9653, 0.3915, 4.8380



# Previews

## White Background



This preview shows how the XYZ color 73.3197, 90.8137, 16.7964 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

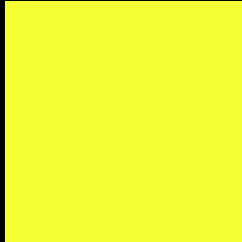
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.3197, 90.8137, 16.7964 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.3197, 90.8137, 16.7964**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.3197, 90.8137, 16.7964.



This preview shows how white text looks on a background with the XYZ color 73.3197, 90.8137,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



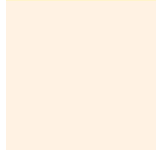
### Original Color

73.3197, 90.8137, 16.7964



### Protanopia

84.3702, 90.2732, 69.4776



### Deuteranopia

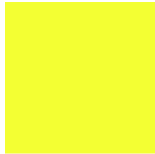
86.8573, 90.3103, 85.5268



## Tritanopia

89.9708, 90.6085, 104.8427

# Trichromacy



## Original Color

73.3197, 90.8137, 16.7964



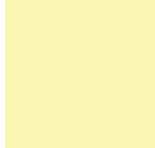
## Protanomaly

78.6964, 89.7822, 41.1989



## Deuteranomaly

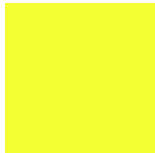
79.6553, 89.6751, 47.7611



## Tritanomaly

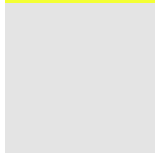
80.5728, 89.0687, 55.5932

# Monochromacy



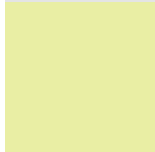
## Original Color

73.3197, 90.8137, 16.7964



## Achromatopsia

73.7419, 77.5822, 84.4870



## Achromatomaly

70.8796, 81.1530, 47.0503

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.3197, 90.8137, 16.7964 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(243, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 51)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(243, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 51) }
```

## Border

The CSS property to change the border of an element to XYZ 73.3197, 90.8137, 16.7964 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(243, 255, 51) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(243, 255, 51) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(243, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
51) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.3197, 90.8137, 16.7964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 51) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(243,  
255, 51) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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